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Water Supply
FY 05 Program Development

Ron Conner

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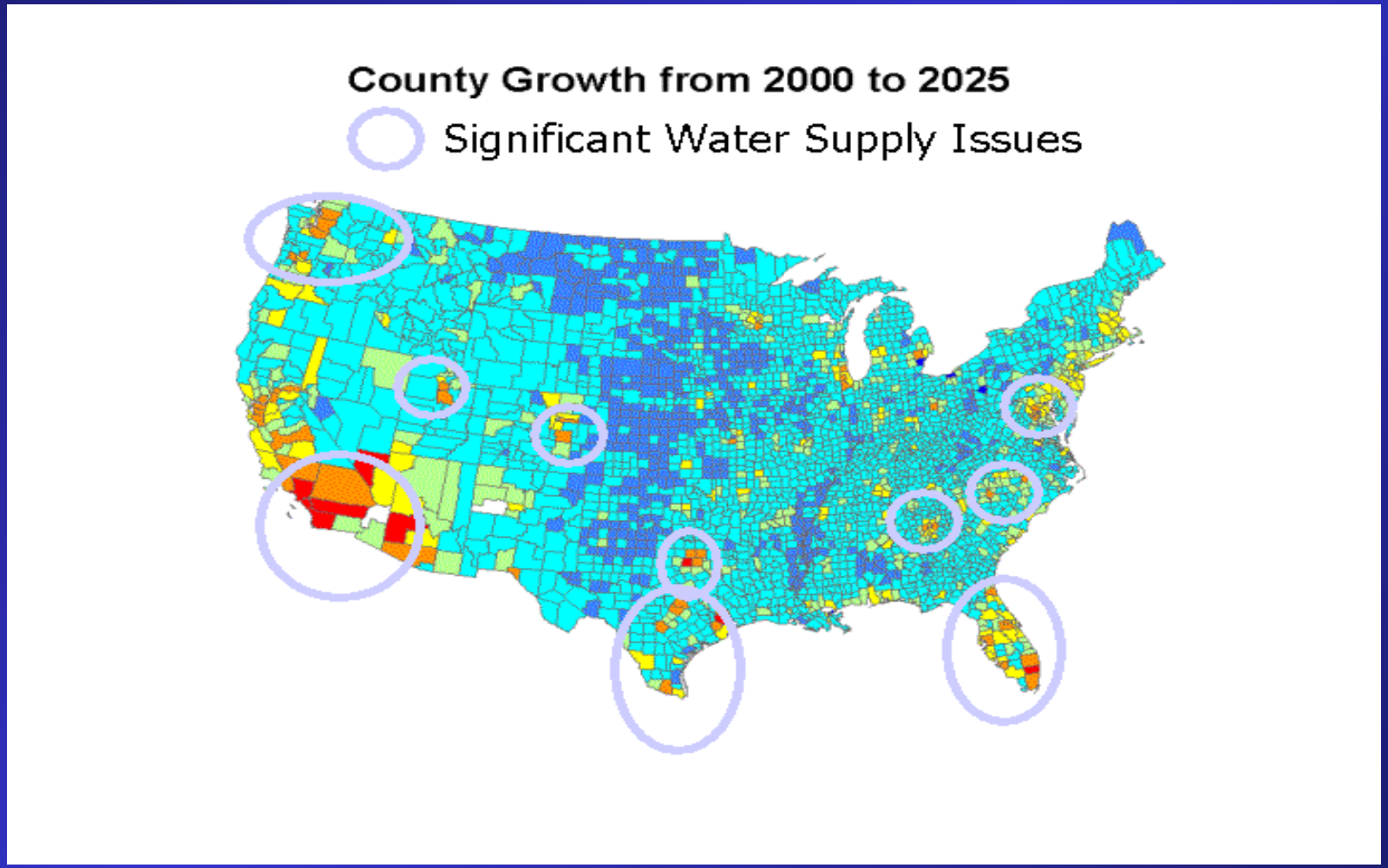
Water Supply – A National Issue



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WS Program History

- First involvement in water supply in the 1850s - Washington Aqueduct
- Flood Control Act of 1944
  - Surplus and Reclamation Water
- 1958 Water Supply Act
  - Include WS in Multipurpose Reservoirs
  - Reallocations
  - Modifications affecting other purposes requires reauthorization

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Washington Aqueduct

- Federally owned and operated produces an average of 180M GPD.
- All funding for O&M, capital improvements, and security comes from revenue.

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Water Supply Program

- 237 M&I water supply agreements in 117 projects in 24 states + Puerto Rico
- M&I storage space is over 9.5 million acre feet, about 3.1 trillion gallons of water
- 40 projects with approximately 54 million acre-feet of storage reserved for irrigation and other purposes

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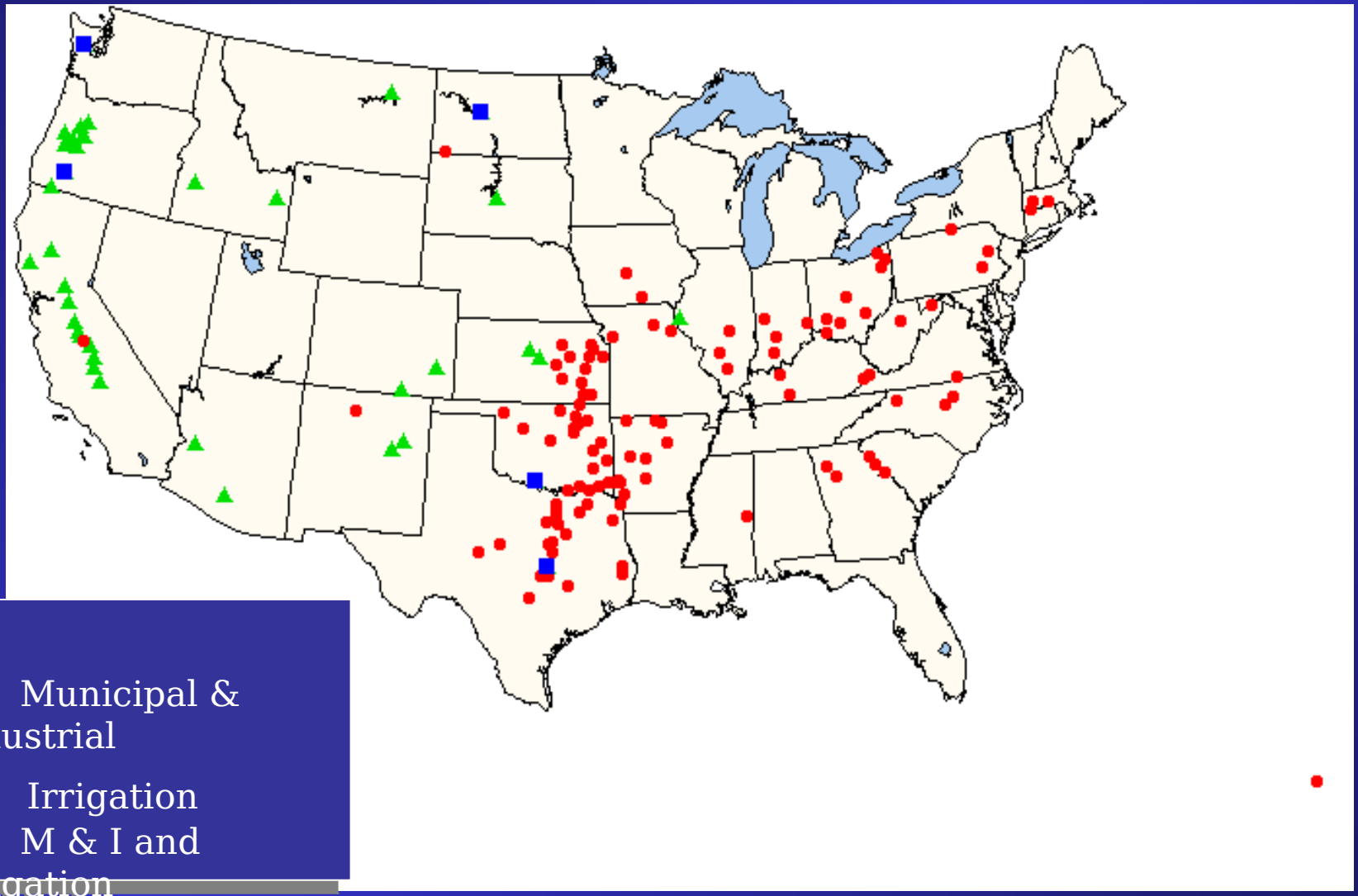
CORPS PROJECTS WITH WATER SUPPLY & IRRIGATION STORAGE



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Performance-based Programming Water Supply Business Program

- Performance Measure - Population Served
  - Output not Efficiency Measure
  - Reliable data not available on Program Costs or $ returned to the Treasury this budget cycle

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Performance-based Programming Water Supply Business Program

- Estimate $20M returned for $6 million cost.
- Reconcile database with field input
- Measure Improvement
  - Efficiency Measure
  - Revenues returned v. costs
  - May consider low-income measure

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Performance based Programming Water Supply Business Program

- Comparable Program – DOI
- Performance Measures
  - Acre-feet of Water Delivered
  - Amount of Delivered Water of Restricted Capacity
  - Operating Cost per acre-foot
  - Targeted measures under development

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Performance-based Programming Water Supply Business Program

- Performance Measures(1): Population Served
- Ceiling & Recommended Program Funding:
  $6.1 Million
- Performance Results:
  - Continue four Water Management Studies in Texas and Colorado
  - Initiate Water Management Assessment at Corps Reservoir Program

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Water Management Assessment at Corps Reservoir Program

- $3M Annual Program to to review operating plans at existing Corps multi-purpose reservoirs in cooperation with State and local water management planning efforts
- Goal – Increase Economic & Environmental Outputs from Existing Infrastructure
- Consolidates ongoing activities pre-business line budgeting

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Water Management Assessment at Corps Reservoir Program

- Program Activities
  - First-year - Review of State and Local Water Planning to identify future demands.

- Ongoing
  - Reallocation Studies
  - In-stream flow studies for ecosystem improvement
  - Reservoir Data Collection

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Performance-based Programming Water Supply Business Program

Water supply and management issues are becoming increasingly important as the demand on existing supplies continues to grow. Increasing populations in many areas, combined with increasing demand for water for recreation, scenic value, and fish and wildlife habitat, have resulted in conflicts throughout the country, especially in the arid West.

Congressional Research Service